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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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09/589,384

06/07/2000

Hanspeter Heiniger

6748

8438

25763

7590

06/04/2004

DORSEY & WHITNEY LLP  
INTELLECTUAL PROPERTY DEPARTMENT  
50 SOUTH SIXTH STREET  
MINNEAPOLIS, MN 55402-1498

EXAMINER

MAIORINO, ROZ

ART UNIT

PAPER NUMBER

3763

DATE MAILED: 06/04/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

09/589,384

Applicant(s)

HEINIGER ET AL.

Examiner

Roz Maiorino

Art Unit

3763

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 19 April 2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 28-75 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 28-75 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

**DETAILED ACTION**

***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

1. Claims 55, 59-69, 72-75 is rejected under 35 U.S.C. 102(b) as being clearly anticipated by U.S Patent No.5873856 to Hijertman et al or US Patent No.5674203 to Lewandowski or US Patent No. 6547764 to Larsen et al.

Hijertman, Larsen and Lewandowski all teach the invention.

Hijertman discloses a protected needle assembly. This apparatus contains a housing 21, a container for product 10, where the container is accommodated by housing, an injection needle 11 connected to container and protruding beyond the housing, a needle protection sleeve 31, and an indicator 33, which indicates to a user that a needle protection sleeve is in its distal position. The housing comprises an inner sleeve 20 and an outer sleeve 31, between which an annular gap 50. The needle protection sleeve 31 is received with a receiving sleeve 20 coupled with the housing and disposed concentrically around the needle protection sleeve so that movement of the needle protection sleeve within the receiving sleeve.

Larsen discloses a protected needle assembly. This apparatus contains a housing , a container for product, where the container is accommodated by housing, an injection

Art Unit: 3763

needle 28 connected to container and protruding beyond the housing, a needle protection sleeve 32, and an indicator 55/51/38/84, which indicates to a user that a needle protection sleeve is in its distal position. An indicator, which is visibly, indicates to the user of the apparatus. (figures 7-9)

Lewandowski discloses a protected needle assembly. This apparatus contains a housing , a container for product, where the container is accommodated by housing, an injection needle 8 connected to container and protruding beyond the housing, a needle protection sleeve 10, and an indicator (Col. 11, 45-60, and claim 1), which indicates to a user that a needle protection sleeve is in its distal position. An indicator, which is visibly, indicates to the user of the apparatus.

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 28-54, 56-58, 70-71 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S Patent No.5873856 to Hjertman et al or US Patent NO.5674203 to Lewandowski , and further in view of U.S. Patent No. 6287283 to Ljunggreen et al or US Patent Pub NO. 2002/0002344 A1 to Douglas et al.

Both Lewandowski and Hjertman indicator's are manual apparatus for the movement of the needle and the indicator positioning of the needle. It would be

Art Unit: 3763

obvious to modify the manual apparatus and utilize electronic means of defining the position of the needle, because most of the syringes have modified to become digital. One example is Ljunggreen, which discloses an apparatus for the registration of the setting of a medical device. Ljunggreen utilized a digital electronic display as is common and in practice.

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to switch from manual to electronic, because as stated by Ljunggreen digital on the electronic display are more legible in relation to small indicators on the adjustment sleeve. Also, misalignment of this scale in relation to the rim of the outer sleeve might occur. This is obviated according to the invention by the great digits on the display. (Col.4, lines 36-42). Furthermore it has been held that broadly providing a mechanical or automatic means to replace manual activity, which as accomplished the same result, involves only routine skill in the art. *In re Venner*, 120 USPQ 192.

### ***Response to Arguments***

3. Applicant's arguments with respect to claims 28-75 have been considered but are moot in view of the new ground(s) of rejection.

### ***Conclusion***

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP

Art Unit: 3763

§ 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

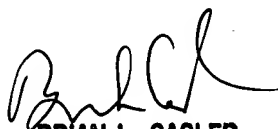
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Roz Maiorino whose telephone number is 703-305-2336. The examiner can normally be reached on 9am-5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brian Casler can be reached on 703-308-3552. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 3763

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

RM

  
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